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#4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

CARLSSON

Atty. Ref.: 2447-14

Serial No. To Be Assigned

Group:

Filed: May 2, 2001

Examiner:

For: MULTI-SERVICE CIRCUIT FOR TELECOMMUNICATIONS

\* \* \* \* \*

May 2, 2001

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

**INFORMATION DISCLOSURE STATEMENT**

- |                                     |  |          |
|-------------------------------------|--|----------|
| <input checked="" type="checkbox"/> | 1. <b>PTO-1449 Pursuant to 37 CFR 1.97(b)</b><br>[within 3 months of filing or prior to 1st Office Action] | N/C      |
| <input type="checkbox"/>            | 2. <b>Statement Pursuant to 37 CFR 1.97(c)</b><br>[before Final Office Action or Allowance]                | N/C      |
| <input type="checkbox"/>            | 3. <b>Fee Payment Pursuant to 37 CFR 1.97(c)</b><br>[before Final Office Action or Allowance]              | \$180.00 |
| <input type="checkbox"/>            | 4. <b>Pursuant to 37 CFR 1.97(d)</b><br>[before Issue Fee payment]   | \$180.00 |

The following are submitted in the above-identified application in compliance with 37 C.F.R. §§ 1.97 and 1.98:

- ☒ 5. A list of documents on Form PTO-1449. Actual copies of the references listed on the attached form PTO-1449 are not included herewith in accordance with MPEP §609, these references being previously submitted in any and all of the parent applications. The parent application includes U.S. application Serial No. 09/009,535.

This paper is submitted in accordance with:

11017 U.S. PTO  
09/846368  
05/02/01

CARLSSON

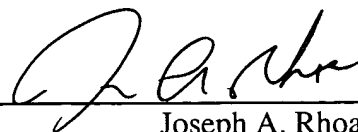
Serial No. To be Assigned

- ☒ 6. 37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
- ☐ 7. 37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and
- ☐ a) The required Statement made in item 9 below; or
- ☐ b) The \$180.00 fee specified in 37 CFR §1.17(p) for submission of this Information Disclosure Statement is authorized in item 10 below.
- ☐ 8. 37 CFR §1.97(d): [before issue fee payment]; and
- ☐ a) The fee (\$180.00) required by 37 CFR §1.17(p) is authorized in item 10 below; and
- ☐ b) The required Statement is stated in item 9 below.
- ☐ 9. Statement under 37 CFR 1.97(e)
- ☐ a) The undersigned attorney of record hereby certifies under 37 C.F.R. §1.97(e) that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement (each item contained in this IDS was the first citation of that item by a foreign patent office in a counterpart foreign application which occurred no more than three months prior to the filing of this IDS); or
- ☐ b) No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement, after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.
- ☒ 10. Please charge all applicable fees associated with the submission of this Information Disclosure Statement and any other fees applicable to this application to Deposit Account No. 14-1140. An original and one (1) copy of this document are enclosed.

Respectfully submitted,

NIXON & VANDERHYE P.C.

By:



Joseph A. Rhoads  
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JAR:caj

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**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

2447-14

SERIAL NO.

To be Assigned

APPLICANT

CARLSSON

(Use several sheets if necessary)

FILING DATE

May 2, 2001

GROUP

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,533,009	7/1996	Chen			
	5,872,769	2/1999	Caldara et al.			
	5,734,652	3/1998	Kwok			
	5,757,771	5/1998	Li et al.			
	5,805,591	2/1996	Naboulsi			
	5,623,493	4/1995	Kagemoto			
	6,118,777	10/1997	Sylvain			
	5,822,321	10/1998	Petersen et al.			
	5,809,021	9/1998	Diaz et al.			
	5,715,239	2/1998	Hyodo et al.			
	5,982,772	11/1999	Oskouy			
	5,894,477	4/1999	Brueckheimer et al.			
	5,889,773	3/1999	Stevenson III			
	6,097,736	8/2000	Proctor et al.			
	5,619,500	4/1997	Hiekali			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
0 596 624 A2	5/1994	EP			
98/45976	10/1998	WO			
WO 95/32596	11/1995	WO			
0 772 369 A2	5/1997	EP			
0 707 430 A2	4/1996	EP			

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	U.S. Patent Application Serial No. 09/009,535, filed January 20, 1998
	Gobl et al; "ARIDEM A Multi-Service Broadband Access Demonstrator", ISSLS 96, 11 <sup>th</sup> International Symposium on Subscriber Loops and Services, Melbourne, Feb. 4-9, 1996, no. SYMP. 11, 4 February 1996, pgs. 305-310, XP000698338, Institution of Radio and Electronics Engineers Australia
*Examiner	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)

**INFORMATION DISCLOSURE  
CITATION**

ATTY. DOCKET NO.

SERIAL NO.

2447-14

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CARLSSON

(Use several sheets if necessary)

FILING DATE

GROUP

May 2, 2001

unknown

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,619,500	4-1997	Hiekali			
	5,668,798	9-1997	Toubol et al.			
	5,619,499	4-1997	Nakabayashi			
	5,636,215	6-1997	Kubo et al.			
	5,400,337	3-1995	Munter			
	5,627,501	5-1997	Biran et al.			
	5,581,551	12-1996	Fundneider et al.			
	5,481,544	1-1996	Baldwin et al.			
	5,370,362	10-1996	Nishimura			
	5,327,428	7-1994	Van As et al.			
	5,563,885	10-1996	Witchey			
	5,394,395	2-1995	Nagai et al.			
	5,396,492	3-1995	Lien			
	5,608,731	3-1997	Upp et al.			
	5,361,252	11-1994	Sällberg et al.			
	5,280,476	1-1994	Kojima et al.			
	5,467,347	11-1995	Petersen			
	4,926,416	5-1990	Welk			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

	ATM Forum Technical Committee, "Utopia, An ATM-PHY Interface Specification", Level 2, Version 1.0, af-phy-0039.000, June 1995, pgs. 1-66
*Examiner	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

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